

S1	300	(US-5872881-\$ or US-5420952-\$ or US-5778125-\$ or US-4983012-\$ or US-5216735-\$ or US-5263105-\$ or US-5281134-\$ or US-5418874-\$ or US-5502784-\$ or US-RE35734-\$ or US-5881192-\$ or US-5889914-\$ or US-5905830-\$ or US-5988702-\$ or US-6241399-\$ or US-4323623-\$ or US-5021519-\$ or US-5296661-\$ or US-4305863-\$ or US-4325607-\$ or US-4350728-\$ or US-4433898-\$ or US-4442058-\$ or US-4512281-\$ or US-4539219-\$ or US-4549919-\$). did. or (US-4842667-\$ or US-4904760-\$ or US-5259614-\$ or US-5296310-\$ or US-5346568-\$ or US-5376248-\$ or US-5436301-\$ or US-5650230-\$ or US-5714544-\$ or US-5783862-\$ or US-5830987-\$ or US-5914283-\$ or US-6077580-\$ or US-4065203-\$ or US-4244857-\$ or US-4310658-\$ or US-4335188-\$ or US-4341439-\$ or US-4341877-\$ or US-4342500-\$ or US-4364991-\$ or US-4374960-\$ or US-4403075-\$ or US-4410388-\$ or US-4468269-\$ or US-4469399-\$ or US-4472543-\$). did. or (US-4482660-\$ or US-4496469-\$ or US-4510272-\$ or US-4528358-\$ or US-4528346-\$ or US-4532275-\$ or US-4539253-\$ or US-4550051-\$ or US-4569884-\$ or US-4578453-\$ or US-4581275-\$ or US-4582932-\$ or US-4609586-\$ or US-4613535-\$ or US-4772509-\$ or US-4780360-\$ or US-4809402-\$ or US-4834929-\$ or US-4842933-\$ or US-4853279-\$ or US-4855341-\$ or US-4874548-\$ or US-4894271-\$ or US-4912594-\$ or US-4927345-\$ or US-4951953-\$ or US-4957661-\$). did. or (US-4959438-\$ or US-4961994-\$ or US-4984865-\$ or US-4987158-\$ or US-4990546-\$ or US-5021281-\$ or US-5221384-\$ or US-5228992-\$ or US-5232996-\$ or US-5234590-\$ or US-5236777-\$ or US-5279893-\$ or US-5301940-\$ or US-5305507-\$ or US-5306319-\$ or US-5330820-\$ or US-5445771-\$ or US-5492550-\$ or US-5534318-\$ or US-5540969-\$ or US-5558915-\$ or US-5575882-\$ or US-5605441-\$ or US-5633477-\$ or US-5652052-\$ or US-5661246-\$ or US-5681656-\$). did. or (US-5705445-\$ or US-5744221-\$ or US-5778122-\$ or US-5812571-\$ or US-5857047-\$ or US-5887289-\$ or US-5888627-\$ or US-5891930-\$ or US-5894651-\$ or US-5943460-\$ or US-6037411-\$ or	USPAT	OR	ON	2004/12/23 13:26
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S2	23	("5978525" "6292610" "5714680" "6366726" "4952798" "6370406" "5208890" "4711524" "5609952" "5199091" "5341275" "6480515"). pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 13:32
S3	0	"2002/0129623".did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 13:29
S4	0	\$-2002/0129623-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 13:29
S5	2	\$-20020129623-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 13:29
S6	16	(US-20020129623-\$.did. or (US-4952798-\$ or US-5341275-\$ or US-5208890-\$ or US-4711524-\$ or US-5978525-\$ or US-5199091-\$ or US-6292610-\$ or US-5609952-\$ or US-6370406-\$ or US-5714680-\$ or US-6480515-\$).did. or (US-6292610-\$ or US-5978525-\$ or US-5714680-\$ or US-5953477-\$). did.	US-PGPUB; USPAT; DERWENT	OR	ON	2004/12/23 13:40
S7	316	S1 or S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 13:41
S8	18	S7 and epoxy and connector and optic\$4 near fib\$3 and polish\$4 near (end tip)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:52
S9	14	S7 and epoxy and connector and optic\$4 near fib\$3 and polish\$4 near fib\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 13:52
S10	1	optical near fib\$3 same ratio same size same epoxy same (bind\$5 bond\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 13:54
S11	3	optical near fib\$3 and ratio same size same epoxy same (bind\$5 bond\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:30
S12	1	(particulate filler grit) near size near4 (epoxy adhesive) same bond\$5 and optic\$4 near fib\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:32

S13	1	((particulate filler grit) near size) near4 (epoxy adhesive) same bond\$5 and optic\$4 near fib\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:32
S14	1	((((particulate filler grit) near size) near4 (epoxy adhesive)) same bond\$5 and optic\$4 near fib\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:34
S15	5100	fib	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:34
S16	5990	fib\$3 near optic\$4 same epoxy	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:34
S17	321	S16 and bind\$4 and bond\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:35
S18	1	S17 and epoxy same partic\$6 same size and fib\$3 near size	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:36
S19	72	S17 and epoxy same partic\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:38
S20	37301	"65"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:38
S21	746	S20 and epoxy	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:39
S22	223	S21 and ratio and epoxy and (bind\$4 bond\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:39
S23	7	S21 and ratio same epoxy same (bind\$4 bond\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:42
S24	1	S20 and fib\$3 near3 size same ratio near3 (bind\$5 bond\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:43

S25	1	((ratio near3 fib\$3 near3 size) near5 epoxy) same bundle	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 14:53
S26	1	((ratio near3 fib\$3 near3 size) near5 (epoxy adhesive)) same bundle	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 15:09
S27	857	polish\$4 same optic\$4 near fib\$3 same bundle	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 15:09
S28	231	S27 and epoxy	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 15:09
S29	946900	S27 and epoxy adhesive	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 15:09
S30	367	S27 and (epoxy adhesive)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 15:21
S31	1953	385/80,85,115.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 15:25
S34	98	epoxy near particulate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 17:05
S35	3640	epoxy same particulate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 17:05
S36	275	epoxy same particulate same ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 17:02
S37	9	S36 and fib\$3 near5 size	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 17:02
S38	2660	(epoxy resin) near particulate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 17:05

S39	23087	(epoxy resin) same particulate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 17:05
S40	3648	S39 and optic\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 17:06
S41	55	S40 and polish\$4 and bundl\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 17:06
S42	22	(US-20020129623-\$ or US-20040247249-\$).did. or (US-4080045-\$ or US-4711524-\$ or US-4952798-\$ or US-5199091-\$ or US-5208890-\$ or US-5341275-\$ or US-5609952-\$ or US-5714680-\$ or US-5978525-\$ or US-6292610-\$ or US-6370406-\$ or US-6480515-\$ or US-6074100-\$ or US-6007258-\$ or US-5196005-\$ or US-5330465-\$). did. or (US-5953477-\$ or US-5714680-\$ or US-5978525-\$ or US-6292610-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2004/12/23 17:12
S43	23087	(epoxy resin) same particulate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 17:13
S44	5	S42 and (epoxy resin) same particulate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 17:15
S45	3	S44 and ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 17:15
S46	1953	385/80,85,115.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 20:07
S47	1	S46 and epoxy near particulate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 20:07
S48	433	S46 and epoxy	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 20:07

S49	162	S48 and fib\$3 same bundle	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/12/23 20:08
S50	8	("4080045").URPN.	USPAT	OR	ON	2004/12/23 20:10
S51	9	("5208890").URPN.	USPAT	OR	ON	2004/12/23 20:12

S52	300	(US-5872881-\$ or US-5420952-\$ or US-5778125-\$ or US-4983012-\$ or US-5216735-\$ or US-5263105-\$ or US-5281134-\$ or US-5418874-\$ or US-5502784-\$ or US-RE35734-\$ or US-5881192-\$ or US-5889914-\$ or US-5905830-\$ or US-5988702-\$ or US-6241399-\$ or US-4323623-\$ or US-5021519-\$ or US-5296661-\$ or US-4305863-\$ or US-4325607-\$ or US-4350728-\$ or US-4433898-\$ or US-4442058-\$ or US-4512281-\$ or US-4539219-\$ or US-4549919-\$). did. or (US-4842667-\$ or US-4904760-\$ or US-5259614-\$ or US-5296310-\$ or US-5346568-\$ or US-5376248-\$ or US-5436301-\$ or US-5650230-\$ or US-5714544-\$ or US-5783862-\$ or US-5830987-\$ or US-5914283-\$ or US-6077580-\$ or US-4065203-\$ or US-4244857-\$ or US-4310658-\$ or US-4335188-\$ or US-4341439-\$ or US-4341877-\$ or US-4342500-\$ or US-4364991-\$ or US-4374960-\$ or US-4403075-\$ or US-4410388-\$ or US-4468269-\$ or US-4469399-\$ or US-4472543-\$). did. or (US-4482660-\$ or US-4496469-\$ or US-4510272-\$ or US-4528358-\$ or US-4528346-\$ or US-4532275-\$ or US-4539253-\$ or US-4550051-\$ or US-4569884-\$ or US-4578453-\$ or US-4581275-\$ or US-4582932-\$ or US-4609586-\$ or US-4613535-\$ or US-4772509-\$ or US-4780360-\$ or US-4809402-\$ or US-4834929-\$ or US-4842933-\$ or US-4853279-\$ or US-4855341-\$ or US-4874548-\$ or US-4894271-\$ or US-4912594-\$ or US-4927345-\$ or US-4951953-\$ or US-4957661-\$). did. or (US-4959438-\$ or US-4961994-\$ or US-4984865-\$ or US-4987158-\$ or US-4990546-\$ or US-5021281-\$ or US-5221384-\$ or US-5228992-\$ or US-5232996-\$ or US-5234590-\$ or US-5236777-\$ or US-5279893-\$ or US-5301940-\$ or US-5305507-\$ or US-5306319-\$ or US-5330820-\$ or US-5445771-\$ or US-5492550-\$ or US-5534318-\$ or US-5540969-\$ or US-5558915-\$ or US-5575882-\$ or US-5605441-\$ or US-5633477-\$ or US-5652052-\$ or US-5661246-\$ or US-5681656-\$). did. or (US-5705445-\$ or US-5744221-\$ or US-5778122-\$ or US-5812571-\$ or US-5857047-\$ or US-5885546-\$ or US-5888627-\$ or US-5891930-\$ or US-5894651-\$ or US-5943460-\$ or US-6037411-\$ or	USPAT	OR	ON	2005/01/05 17:24
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S53	86	S52 and epoxy same partic\$5	USPAT	OR	ON	2005/01/05 17:23
S55	87	S52 and epoxy same partic\$6	USPAT	OR	ON	2005/01/05 17:23
S56	16	S55 and fib\$3 near3 bundl\$5	USPAT	OR	ON	2005/01/05 17:24
S57	0	S52 and fib\$3 near3 funbl\$5 and therm\$3 near expansion	USPAT	OR	ON	2005/01/05 17:25
S58	0	fib\$3 near3 bund\$5 and (therm\$3 near expansion same epoxy)	USPAT	OR	ON	2005/01/05 17:25
S59	0	S52 and fib\$3 near3 bund\$5 and (therm\$3 near expansion same epoxy)	USPAT	OR	ON	2005/01/05 17:25
S60	99	fib\$3 near3 bund\$5 and (therm\$3 near expansion same epoxy)	USPAT	OR	ON	2005/01/05 17:27
S61	3	S52 and fib\$3 near3 bund\$5 and (therm\$3 near expansion same epoxy)	USPAT	OR	ON	2005/01/05 17:26
S62	99	fib\$3 near3 bund\$5 and (therm\$3 near expansion same epoxy)	USPAT	OR	ON	2005/01/05 17:25
S63	18	optic\$4 near fib\$3 same bundl\$4 and fib\$3 same bind\$4 same partic\$5 same (epoxy resin)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:30
S64	1	optic\$4 near fib\$3 same bundl\$4 and fib\$3 same bind\$4 same (particle particulate) near3 (epoxy resin)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:31
S65	26	optic\$4 near fib\$3 same bundl\$4 and fib\$3 same (particle particulate) near3 (epoxy resin)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:31
S66	26	optic\$4 near fib\$3 same bundl\$4 and fib\$3 same (particle particulate) near3 (epoxy resin)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:36
S68	664	optic\$4 near fib\$3 and epoxy same (particle particulate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:47
S69	311	S68 and (bundl\$4 cable)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:39
S70	97	S69 and connector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:40
S71	47	S69 and thermal near expansion	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:42

S72	24	S71 and connector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:40
S73	5	optic\$4 near fib\$3 and epoxy same (particle particulate) and ((bind\$4 bond\$4) near2 fib\$3 same bundl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:48
S74	3	optic\$4 near fib\$3 and epoxy same particle and ((bind\$4 bond\$4) near2 fib\$3 same bundl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:49
S75	2	binder near particulate near epoxy	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 17:50
S76	19	(bind\$4 bond\$4) near (particle particulate) near epoxy	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 18:01
S77	1568	385/102,115.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 18:01
S78	6	S77 and epoxy same (particle particulate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 18:04
S81	920	optical near fib\$3 near5 bundl\$4 same connector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 18:11
S82	204	S81 and epoxy	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 18:11
S83	9	S82 and ((bind\$4 bond\$4) near epoxy)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/05 18:15
S84	41	clay same epoxy and optic\$4 near fib\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/06 12:44
S85	15794	(break fracture) near9 (fib\$3 waveguide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/06 12:44

S86	2868939	epox\$9 glu\$4 resin adhesive	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/06 12:45
S87	1861	S85 same S86	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/06 12:46
S88	10150	S86 near12 (size particle) same (connect\$4 ferrul\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/06 12:47
S89	18	S88 and S87	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/06 12:47

S90	300	(US-5872881-\$ or US-5420952-\$ or US-5778125-\$ or US-4983012-\$ or US-5216735-\$ or US-5263105-\$ or US-5281134-\$ or US-5418874-\$ or US-5502784-\$ or US-RE35734-\$ or US-5881192-\$ or US-5889914-\$ or US-5905830-\$ or US-5988702-\$ or US-6241399-\$ or US-4323623-\$ or US-5021519-\$ or US-5296661-\$ or US-4305863-\$ or US-4325607-\$ or US-4350728-\$ or US-4433898-\$ or US-4442058-\$ or US-4512281-\$ or US-4539219-\$ or US-4549919-\$). did. or (US-4842667-\$ or US-4904760-\$ or US-5259614-\$ or US-5296310-\$ or US-5346568-\$ or US-5376248-\$ or US-5436301-\$ or US-5650230-\$ or US-5714544-\$ or US-5783862-\$ or US-5830987-\$ or US-5914283-\$ or US-6077580-\$ or US-4065203-\$ or US-4244857-\$ or US-4310658-\$ or US-4335188-\$ or US-4341439-\$ or US-4341877-\$ or US-4342500-\$ or US-4364991-\$ or US-4374960-\$ or US-4403075-\$ or US-4410388-\$ or US-4468269-\$ or US-4469399-\$ or US-4472543-\$). did. or (US-4482660-\$ or US-4496469-\$ or US-4510272-\$ or US-4528358-\$ or US-4528346-\$ or US-4532275-\$ or US-4539253-\$ or US-4550051-\$ or US-4569884-\$ or US-4578453-\$ or US-4581275-\$ or US-4582932-\$ or US-4609586-\$ or US-4613535-\$ or US-4772509-\$ or US-4780360-\$ or US-4809402-\$ or US-4834929-\$ or US-4842933-\$ or US-4853279-\$ or US-4855341-\$ or US-4874548-\$ or US-4894271-\$ or US-4912594-\$ or US-4927345-\$ or US-4951953-\$ or US-4957661-\$). did. or (US-4959438-\$ or US-4961994-\$ or US-4984865-\$ or US-4987158-\$ or US-4990546-\$ or US-5021281-\$ or US-5221384-\$ or US-5228992-\$ or US-5232996-\$ or US-5234590-\$ or US-5236777-\$ or US-5279893-\$ or US-5301940-\$ or US-5305507-\$ or US-5306319-\$ or US-5330820-\$ or US-5445771-\$ or US-5492550-\$ or US-5534318-\$ or US-5540969-\$ or US-5558915-\$ or US-5575882-\$ or US-5605441-\$ or US-5633477-\$ or US-5652052-\$ or US-5661246-\$ or US-5681656-\$). did. or (US-5705445-\$ or US-5744221-\$ or US-5778122-\$ or US-5812571-\$ or US-5857047-\$ or US-5867282-\$ or US-5888627-\$ or US-5891930-\$ or US-5894651-\$ or US-5943460-\$ or US-6037411-\$ or	USPAT	OR	ON	2005/01/06 16:06
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S91	18	S90 and (break fracture) near9 (fib\$3 waveguide)	USPAT	OR	ON	2005/01/06 16:07
S93	300	S90 and (epox\$9 glu resin adhesive)	USPAT	OR	ON	2005/01/06 16:07
S94	300	S90 and (epox\$9 glu\$4 resin adhesive)	USPAT	OR	ON	2005/01/06 16:08
S95	12	S90 and ((epox\$9 glu\$4 resin adhesive) same ((break fracture) near9 (fib\$3 waveguide)))	USPAT	OR	ON	2005/01/06 16:12
S96	2	S95 and (polish\$5 grind\$5)	USPAT	OR	ON	2005/01/06 16:12
S97	32	(connector ferrule) near12 (epoxy same (thermal near expansion))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/07 15:25
S98	18	(connector ferrule) near12 (epoxy same (thermal near expansion))	USPAT	OR	ON	2005/01/07 17:11
S99	4	(connector ferrule) near12 (epoxy near5 (thermal near expansion))	USPAT	OR	ON	2005/01/07 17:22
S100	1	"6007258".pn.	USPAT	OR	ON	2005/01/07 17:12
S103	2	"6447173".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/07 17:16
S107	1	"\$-0174973-\$".did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/07 17:17
S108	7	"196661".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/07 17:17
S109	2	"6011889".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/07 17:17

S11 0	28	(US-20020129623-\$ or US-20040247249-\$ or US-20030174973-\$).did. or (US-4080045-\$ or US-4711524-\$ or US-4952798-\$ or US-5196005-\$ or US-5199091-\$ or US-5208890-\$ or US-5330465-\$ or US-5341275-\$ or US-5609952-\$ or US-5625730-\$ or US-5714680-\$ or US-5978525-\$ or US-6007258-\$ or US-6074100-\$ or US-6292610-\$ or US-6370406-\$ or US-6480515-\$ or US-5778125-\$ or US-6447173-\$ or US-6011889-\$). did. or (EP-693698-\$ or US-5953477-\$ or US-5714680-\$ or US-5978525-\$ or US-6292610-\$). did.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/01/07 17:18
S11 1	19	S110 and (polish\$4 grind\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/07 17:18
S11 2	1	(connector ferrule) near12 (epoxy near3 (thermal near expansion))	USPAT	OR	ON	2005/01/07 17:23
S11 3	153321	"28" and thread	USPAT	OR	ON	2005/01/07 17:23
S11 4	3	S110 and thread\$4	USPAT	OR	ON	2005/01/07 17:38
S11 5	14	S110 and bundle	USPAT	OR	ON	2005/01/07 17:43
S11 6	1	"5625730".pn.	USPAT	OR	ON	2005/01/07 17:59
S12 0	7	(fiber near size) same (filler near size)	USPAT	OR	ON	2005/01/07 18:00
S12 1	6	"829070".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/07 18:03
S12 3	7	(optic\$4 near fib\$3 near diameter) same (particle near size)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/07 18:13
S12 4	5	("4484796").URPN.	USPAT	OR	ON	2005/01/07 18:08
S12 5	7	(optic\$4 near fib\$3 near diameter) same ((particle filler grit) near size)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/07 18:13
S12 6	1845	(optic\$4 near fib\$3 same bundle) and (distal near end same (flush\$4 recess\$4 extend\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:31

S12 7	410	(optic\$4 near fib\$3 same bundle) and ((distal near end same (flush\$4 recess\$4 extend\$4)) same (connector\$3 ferrule\$ coupler))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:36
S12 8	101	S127 and epoxy	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:32
S12 9	57	S128 and sheath	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:33
S13 0	10	S129 and second near5 connector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:32
S13 1	326	(optic\$4 near fib\$3 same bundle) and ((distal near end same (flush\$4 recess\$4 extend\$4)) same connector\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:36
S13 2	39	(optic\$4 near fib\$3 same bundle) and ((distal near end same (flush\$4)) same (connector\$3 ferrule\$ coupler))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:37
S13 3	5835	(optic\$4 near fib\$3 same bundle) and ((connector\$3 ferrule\$ coupler))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:37
S13 4	227	S133 and fib\$3 near7 flush\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:39
S13 5	165	S134 and fib\$3 near7 extend\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:38
S13 6	49	S134 and fib\$3 near7 recess\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:38
S13 7	68	S133 and bundle near7 flush\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:39
S13 8	44	S133 and bundle near7 recess\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:39

S13 9	3	S137 and bundle near7 recess\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:42
S14 0	594	385/53.ccls. and (flush\$4 recess\$4 extend\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:42
S14 1	46	385/53.ccls. and flush\$4 and recess\$4 and extend\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:49
S14 2	349	385/53.ccls. and (epoxy\$9 glu\$4 resin adhesive)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:45
S14 4	1	385/53.ccls. and ((epoxy\$9 glu\$4 resin adhesive) near filler)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:46
S14 6	1	385/53.ccls. and ((epoxy\$9 glu\$4 resin adhesive) near binder\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:47
S14 8	0	S141 and epoxy near particle	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:49
S14 9	0	S141 and epoxy near binder	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:49
S15 0	15	S141 and epoxy	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 22:49

S15 1	30	(US-20020129623-\$ or US-20030174973-\$ or US-20040247249-\$).did. or (US-4080045-\$ or US-4711524-\$ or US-4952798-\$ or US-5196005-\$ or US-5199091-\$ or US-5208890-\$ or US-5330465-\$ or US-5341275-\$ or US-5609952-\$ or US-5610219-\$ or US-5625730-\$ or US-5714680-\$ or US-5778125-\$ or US-5978525-\$ or US-6007258-\$ or US-6011889-\$ or US-6074100-\$ or US-6292610-\$ or US-6370406-\$ or US-6447173-\$ or US-6480515-\$ or US-5675680-\$). did. or (EP-693698-\$ or US-5953477-\$ or US-5714680-\$ or US-5978525-\$ or US-6292610-\$). did.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/01/08 23:03
S15 2	4	S151 and seal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 23:04
S15 3	8	S151 and seal\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 23:08
S15 4	21343	optic\$4 near fib\$3 near5 (quartz glass)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 23:09
S15 5	1941	optic\$4 near fib\$3 near5 (quartz and glass)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/08 23:20
S16 0	8	(optic\$4 near fib\$3 near diameter) and (epoxy near5 (filler\$ particle\$ binder\$) same size)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/09 00:17
S16 1	18	("6012304" "5120444" "6185962" "4157907" "5665133" "4902328" "5063179" "4859224" "4680047" "4137060").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/09 00:34
S16 2	82	CAMPION.IN.	EPO	OR	ON	2005/01/09 00:21
S16 7	588	ishikawa-shinji.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/09 00:34
S16 8	30	S167 and thermal near expansion	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/09 00:36

S17 0	3	S167 and ((thermal near expansion) same epoxy)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/09 00:36
S17 1	30	(US-20020129623-\$ or US-20030174973-\$ or US-20040247249-\$).did. or (US-4080045-\$ or US-4711524-\$ or US-4952798-\$ or US-5196005-\$ or US-5199091-\$ or US-5208890-\$ or US-5330465-\$ or US-5341275-\$ or US-5609952-\$ or US-5610219-\$ or US-5625730-\$ or US-5714680-\$ or US-5778125-\$ or US-5978525-\$ or US-6007258-\$ or US-6011889-\$ or US-6074100-\$ or US-6292610-\$ or US-6370406-\$ or US-6447173-\$ or US-6480515-\$ or US-5675680-\$). did. or (EP-693698-\$ or US-5953477-\$ or US-5714680-\$ or US-5978525-\$ or US-6292610-\$). did.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/01/09 01:17
S17 2	4	S171 and seal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/09 01:18
S17 3	8	S171 and seal\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/01/09 01:18